

TIMELINEZ

VOLUME 9

ISSUE 01

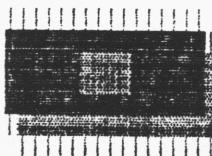
JAN - APR 1990

\$3.00

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Sinclink

VIEW FROM RAMTOP



S P E C I A L A N N I V E R S A R Y I S S U E

Welcome to the ninth (9) volume of TIMELINEZ. This issue has started out as a crawl since the purchase of American Micro Systems during the latter part of December, 1990. In the last issue, the ROUND-UP newsletter was voiced to members as the new home for TIMELINEZ. This can not be with the foundering of S.M.U.G. So to be true to the four (4) clubs supporting this newsletter, TIMELINEZ will continue as before. Make all H/L exchanges and monetary correspondence to:

TIMELINEZ
P.O. BOX 1312
Pacific, CA 94044

ATTN: George Mockridge

For articles to be printed with-in TIMELINEZ and letters to the editor, write to:

Andrew Hradesky

975 Holte Drive West
Colorado Springs, CO 80916
(719) 591-6773

Write all checks or money-orders in care of George Mockridge.

This years subscription rate will cover three (3) issues for \$9.00.

Happy
TIMEX'n

VOYAGER'S INCREDIBLE JOURNEY

With
The LITTLE COMPUTER that COULD

by
Sharon Begley
and
Mary Hager

Condensed from NEWSWEEK
by
READER'S DIGEST

Compiled by the NITE-TIMES NEWS
Volume 4, Number 1

With nothing but a radio transmitter to herald its arrival, a gawky aluminum bird swooped over the north pole of the planet Neptune in August of 1989. Streaking through the remote reaches of the solar system, the unmanned spacecraft Voyager 2 sent stunning photos and data 2.8 billion miles to the Jet Propulsion Laboratory (JPL) in Pasadena, Calif., where astronomers eagerly awaited an encounter with the blue planet. Its main mission completed, Voyager turned Neptune's gravitational force into a celestial slingshot and sped toward a rendezvous with infinity.

For 12 years Voyager 2 has soared through the solar system, sending back spectacular photos of Jupiter, Saturn, Uranus and Neptune, along with more than five trillion bits of scientific data.

Voyager 2 has proved to be the most successful space probe ever launched. Yet when the 1819-pound craft rocketed from Cape Canaveral on August 20, 1977, and pointed itself toward its place in history, the trip was one heart-stopper after another. A radio receiver malfunctioned, and then the backup became tone deaf, unable to lock onto a particular frequency. Controllers had to predict what Voyager could hear on the basis of the spacecraft's temperature, distance and motion. After the Jupiter flyby, a silicon chip failed, wiping out three percent of the computer's memory. At Saturn, the scan platform that holds the cameras and other instruments jammed; but the lubricant seeped back into the gears in time for the meeting with Uranus. Somehow the geriatric Voyager 2, arthritic and partially deaf, managed to reach Neptune.

Support For sinclair

ZX81 - spectrum - 1L

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TIMEX sinclair

1000 - 1500 - 2068

CAMBRIDGE

288

computers

CONTINUED NEXT PAGE =>

Steering Voyager within 3000 miles of the planet's cloud tops, at 61148 m.p.h., required some of the most complicated engineering NASA has ever undertaken. For years flight jockeys at JPL, where the craft was designed and built, had fine tuned its trajectory. When Voyager finally reached Neptune, it was just 21 miles wide of where the scientists expected it to be - the cosmic equivalent of sinking a 2260 mile putt. "Not bad shooting", said project manager Norman Haynes.

Over the next years, NASA's computer aces had radioed up so many improvements to the on-board computer that the craft had essentially received a long-distance brain transplant many times. [This was only possible because of 1977 vintage 8 bit. "Little Computer that Could" had only 64K of addressable memory. Program managers stated that had the craft contained today's higher tech 16 or 32 bit processors, with all the RAM that they can address, their programmers would have had an even more monumental task for, as programmers are given more space to write in, they feel compelled to use as much of it as they possibly can!]

As Voyager closed in on Neptune, JPL engineers worked round the clock to radio instructions. But they did not know the exact location of the debris encircling the planet. Since it takes over four hours for signals to travel between Earth and Neptune, there was no chance for last-minute fixes: a collision could have doomed the mission. Fortunately, Voyager managed to avoid the orbiting junk.

The data arrived on a radio signal so weak - a ten quadrillionth of a watt - that 38 giant radio antennas on four continents were used to catch Voyager's whispered message. And what a message it was. Neptune turned out to be a dynamic, stormy world. Cloaked in a thick haze of hydrogen and helium, the planet is streaked by 1500 m.p.h. winds that push clouds of frozen methane. A tremendous storm system, a counter-cyclone as big across as Earth and christened the Great Dark Spot, marks the southern hemisphere.

Voyager's view of Neptune was almost upstaged by the planet's largest moon, Triton, called "the most curious thing we've ever seen" by Voyager geologist Laurence Soderblom. Already known as an astronomical renegade because it is the only large moon in the solar system whose orbit is in the opposite direction of its parent planet's rotation. Triton showed a face mottled like the finest Italian pink marble.

Triton seemed to have a history like ice cream carried home in August: frozen, melted, then frozen again. Perhaps it once was a planet, only to be drawn out of its solar orbit by Neptune's gravitational embrace. [Voyager 2 found signs of icy volcanism and rough patches caused by Triton's Quakes. It found six previously unknown moons around Blue Neptune bringing

the known total to eight. The spacecraft also discovered at least four rings around the planet. Said Voyager geologist Laurence Soderblom: "What a day to leave the solar system!"]

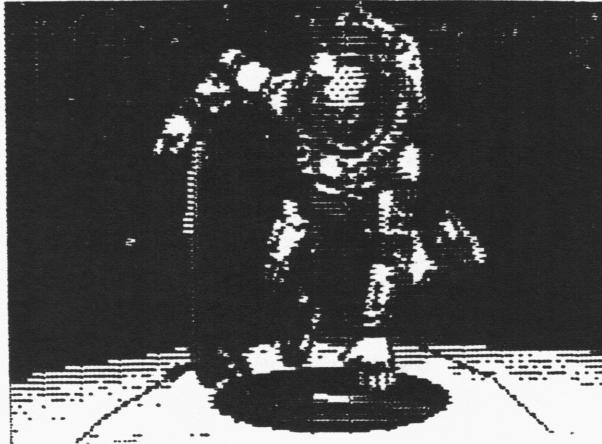
The new finds came so quickly that trying to make sense of them all was like trying to drink from a fire hose. The solar system's violent history is nowhere more evident than in the rings and moons Voyager kept discovering, first around Jupiter and Saturn, then Uranus and Neptune. "Voyager focused our attention on the importance of collision", says chief project scientist Edward Stone. Each cosmic crash, a potent sculptor of the solar system, would produce a different kind of ring, ranging from the luminous bands around Saturn to the 11 narrow, sharply bounded rings of Uranus.

The primary mission now completed, Voyager 2's cameras, infrared detector and photopolarimeter was turned off in the latter part of 1990. The electricity conserved will power instruments that will measure the exotic fields and subatomic particles littering the route to interstellar space. By 2020, Voyager 2 will probably fall silent, its generators too feeble to power communications. In the year 40,176 it should come within 1.7 light years [one light year equals six trillion miles - the distance light travels in one year] of the star Boss 248, a cool, red speck of twinkling gas. In the year 296,036, Voyager 2 will pass within 4.3 light years of Sirius.

The chances are small, but one of these stars might have a planet with beings intelligent enough to detect the tiny, silent wanderer. If they retrieve Voyager, they will find, mounted on its side, a gold plated copper disc, complete with stylus and cartridge. If they figure out how to play it, they will hear greetings in 60 Earth languages and one whale dialect, as well as the natural sounds of the planet - thunder clapping, frogs croaking and a newborn baby crying.

If the craft encounters no one, it will float forever through the Milky Way, an emissary of the curious earthlings who launched it, hoping to make their mark in the vastness of cosmic time.

[I hope this article makes you owners of 8 bit machines a bit more reluctant to part with your trusty companions.]



BE-MORSE-FUL ME

Being in the banner business
sure has its dits and dahs. My
friend Sam has this barber shop,
see, and one day he says to me
he says, "Gertie," he says,
"will you make me up a sign to
put in my front window to pull
in some customers?" he says, and
I says to Sam, I says, "Sure,
Sam," I says, "I'll be glad to,"
I says, but I forgot that I for-
got to put punctuation marks in
my new font and so I go ahead
and make up the sign and this is
what the sign says:

FIRST SIGN

Boy! That sign sure did work! Right away a new customer comes in the door and says, "Hey, Sam," he says, "I'll take that free shave and make mine a double scotch on the rocks," he says, and Sam's eyebrows shoot up to here and he says, "Waddya mean, free shave and scotch on the rocks?" he says, and the customer says, "Like it says on the sign out front," he says, and so Sam he goes out front and reads my sign and he says, real indignant-like, he says, "That ain't right!" he hollers. "What I told Gertie to put on the sign was:

SECOND SIGN

And so this customer he punches out Sam and Sam never pays me for the sign and that's why there ain't much money in the banner business.

INTERNATIONAL MORSE CODE

A	-	S	---	1	-----
B	-	T	-	2	-----
C	-	U	---	3	-----
D	-	V	---	4	-----
E	-	W	---	5	-----
F	.	X	---	6	-----
G	-	Y	---	7	-----
H	-	Z	---	8	-----
I	-			9	-----
J	-				
K	-				
L	-				
M	--				
H	-				
O	--				
P	--				
Q	--				
R	--				

SECOND SIGN:

CONTINUED NEXT PAGE =>

S.A.T.S.
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2816 Chestnut
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- | | |
|--------------------------------|---------------------------|
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| 04— POWER PACK 1 | 03— GEOMETRY 1 |
| 08— THE ORGANIZER | 01— METEORITES |
| 08— THE BUDGETER | 01— ALIEN INVASION |
| 01— LIST MANAGER | 01— ROBBERS OF THE TOMB |
| 18— LOAN/MORTGAGE AMORT. | 01— SCYON'S REVENGE |
| 05— HOME IMPROV. PLANNER | 01— GULP |
| 07— HOME ASSET MANAGER | 04— KASION KRAPS |
| 01— REAL ESTATE INVEST. | 02— STRATEGY FOOTBALL |
| 08— PORTFOLIO ANALYSIS | 03— FORTRESS OF ZORLAC |
| 04— ELECTRIC COST ANALY. | 02— TAROT |
| 06— AUTOMOTIVE ANALYZER | 01— BIGFLAP ATTACK |
| 02— CONVERSATIONAL GERMAN | 01— THE TRIDENT |
| 02— CONVERSATIONAL FRENCH | 03— GRIMM'S FAIRY TRAILS |
| 03— CONVERSATIONAL SPANISH | 02— THE PUZZLER |
| 08— STATES & CAPITALS | 01— THE CHALLENGER |
| 05— PRESIDENTS | 07— DOOBERRY DOMINO |
| 03— ALGEBRA II | 01— BACKGAMMON & DICE |
| 03— TEACHERS GRADEBOOK | 04— THE GAMBLER |
| 01— TOTAL TRIANGLES | 01— THE CUBE GAME |
| 06— FLIGHT SIMULATOR | 03— SUPERMAZE |
| 01— DATA MASTER | 08— FROGGER |
| 01— THE MONEY MANAGER | 01— MIXED GAME BAG 1 |
| 01— INSURANCE PROPERTY RECORDS | 01— MIXED GAME BAG 2 |
| 01— WALL STREET | 01— MIXED GAME BAG 3 |
| 04— VU-CALC | 03— SUPER DOODLES |
| 01— FINANCIAL MANAGER | 01— NIGHTGUNNER |
| 02— STOCKMARKET CALCULATOR | 02— HANGMAN |
| 10— CHECKBOOK MANAGER | 01— STOCK RETURNS |
| 05— STATISTICS | 01— ELECTRONIC CHECKBOOK |
| 13— COUPON MANAGER | 03— SPELLING BEE |
| 07— CAR POOLER | 05— ATOR THE ABC GATOR |
| 04— STAMP COLLECTOR | 05— FUND. OF MATH |
| 02— INVENTORY CONTROL | 04— SUPER MATH |
| 04— IRA PLANNER | 04— WORLD QUEST |
| 05— HEATING SYSTEM ANALY. | 02— LANGUAGE USAGE |
| 03— SOLAR WATER HEATER DESIGN | 02— CAPITALIZATION MASTER |
| 07— COLLEGE COST ANALYSIS | 03— PUNCTUATION MASTER |
| 02— STOCKMARKET TECH ANALYSIS | 02— STOCKMARKET GAME |
| 02— STOCK OPTION ANALYSIS | |

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RE-MORSE-FUL ME CONTINUED

```
1000 REM ., ENCODING
1010 PRINT "A": RETURN
1020 PRINT "B": RETURN
1030 PRINT "C": RETURN
1040 PRINT "D": RETURN
1050 PRINT "E": RETURN
1060 PRINT "F": RETURN
1070 PRINT "G": RETURN
1080 PRINT "H": RETURN
1090 PRINT "I": RETURN : REM
1100 PRINT "J": RETURN : REM
1110 PRINT "K": RETURN : REM
1120 PRINT "L": RETURN : REM
1130 PRINT "M": RETURN : REM
1140 PRINT "N": RETURN : REM
1150 PRINT "O": RETURN : REM
1160 PRINT "P": RETURN : REM
1170 PRINT "Q": RETURN : REM
1180 PRINT "R": RETURN : REM
1190 PRINT "S": RETURN : REM
1200 PRINT "T": RETURN : REM T
1210 PRINT "U": RETURN : REM U
1220 PRINT "V": RETURN : REM U
1230 PRINT "W": RETURN : REM X
1240 PRINT "X": RETURN : REM Y
1250 PRINT "Y": RETURN : REM Z
1260 PRINT "Z": RETURN : REM
```

RE-MORSE-FUL ME CONTINUED...

```

3000 REM ..DECODING
3010 IF D$=="A" THEN PRINT "A"
3020 IF D$=="B" THEN PRINT "B"
3030 IF D$=="C" THEN PRINT "C"
3040 IF D$=="D" THEN PRINT "D"
3050 IF D$=="E" THEN PRINT "E"
3060 IF D$=="F" THEN PRINT "F"
3070 IF D$=="G" THEN PRINT "G"
3080 IF D$=="H" THEN PRINT "H"
3090 IF D$=="I" THEN PRINT "I"
3100 IF D$=="J" THEN PRINT "J"
3110 IF D$=="K" THEN PRINT "K"
3120 IF D$=="L" THEN PRINT "L"
3130 IF D$=="M" THEN PRINT "M"
3140 IF D$=="N" THEN PRINT "N"
3150 IF D$=="O" THEN PRINT "O"
3160 IF D$=="P" THEN PRINT "P"
3170 IF D$=="Q" THEN PRINT "Q"
3180 IF D$=="R" THEN PRINT "R"
3190 IF D$=="S" THEN PRINT "S"
3200 IF D$=="T" THEN PRINT "T"
3210 IF D$=="U" THEN PRINT "U"
3220 IF D$=="V" THEN PRINT "V"
3230 IF D$=="W" THEN PRINT "W"
3240 IF D$=="X" THEN PRINT "X"
3250 IF D$=="Y" THEN PRINT "Y"
3260 IF D$=="Z" THEN PRINT "Z"
3270 IF D$==" " THEN PRINT " "
3280 IF D$="," THEN PRINT ","
3290 IF D$="." THEN PRINT "."
3300 IF D$="---" THEN PRINT "-"
3310 IF D$="...." THEN PRINT ".-."
3320 IF D$="....." THEN PRINT "-.."
3330 IF D$="...." THEN PRINT "-.-."
3340 IF D$="...." THEN PRINT "-.-."
3350 IF D$="...." THEN PRINT "-.-."
3360 IF D$="...." THEN PRINT "-.-."
3370 RETURN
3380 REM ..COPYING
3390 INPUT "COPIES? Y/N "; X$
3400 IF X$<>"Y" THEN GO TO 5050
3410 INPUT "HOW MANY? "; X
3420 FOR I=1 TO X: COPY : LPRINT
3430 : LPRINT : NEXT I
3440 INPUT "MENU? Y/N "; X$
3450 IF X$<>"Y" THEN GO TO 6000

```

```

6100 REM ..MENU
6110 PRINT "WHAT'S YOUR PLEASE?
6120 CHOOSE BY NUMBER:
6130 PRINT "1. MORSE CODE"
6140 2. ENCODE MESSAGE
6150 3. DECODE MESSAGE
6160 INPUT X
6170 IF X=1 THEN CLS : GO TO 100
6180 IF X=2 THEN CLS : GO TO 300
6190 IF X=3 THEN CLS : GO TO 500
6200 PRINT ".INTRO"
6210 PRINT "MEET MR. MORSE"
6220
6230 PRINT "WITH THIS PROGRAM YOU CAN LIST THE CODE, SEND A MESSAGE IN CODE"
6240 PRINT "OR DECODE ONE SENT TO YOU, THE FIRST TWO ARE EASY BUT DECODING"
6250 PRINT "TAKES SOME CARE, INSTRUCTIONS ARE GIVEN IN THAT SECTION OF THE PROGRAM."
6260 PRINT "AS WITH MR. MORSE'S INVENTION THERE ARE NO PUNCTUATION MARKS IN THIS PROGRAM."
6270 PRINT "PLEASE NOTE!! COMPUTER MUST BEIN CAPS LOCK MODE, AFTER CODES (M AND N) IN GRAPHIC MODE."
6280 PRINT "HERE'S A CHALLENGE FOR YOU, SPARKS - MAKE UP YOUR OWN CODE"
6290 PRINT "AND SHARE IT WITH A FRIEND FOR TRULY SECRET COMMUNICATIONS."
6300 PRINT AT 21,0;"ALL SET? PLEASE ENTER.": INPUT X$
6310 GO TO 5100
6320 REM ..UDG
6330 LET Z=156
6340 FOR U=1 TO 2
6350 FOR X=0 TO 7
6360 READ Y: POKE USR CHR$ Z+X,Y
6370 : NEXT X
6380 LET Z=Z+1: NEXT U
6390 DATA 0,0,0,0,0,0,52,52: REM .DAH
6400 DATA 0,0,0,0,0,0,24,24: REM .DIT
6410 RETURN
6420 CLS : PRINT "-----"
6430
6440
6450
6460
6470
6480
6490
6500
6510 PRINT AT 21,25;"GA 90"

```



SincLinkVolume 10;; Numbers:: 4-6
April thru June -- 2nd Quarter

1991 Jun 18 11:19:12
 20X pnc "flp4_Sa91614 xir",131,1,0,87,1,5,8,1,1
 6.28 Sa91618a - D: SEATUG/SLIX QL diskette exchange? -
 To: Ken Goods-T:- ..
 6.27 Sa91617b - D: C68 for the QL, L.A./Cleveland-Freenet
 Connection - From: Tim Swenson-703-828-6657..
 6.26 Sa91617a - D: Sn916(2) SSUG-HL, Member List, & Cleveland
 -Freenet Report - From: Richard Gintling-216-653-2170..
 6.25 Sm91616b - D: ALF Meeting Report - Amiga Lattice C
 Compiler FOR SALE - Contact: Bert Koehler-415-967-6901
 ext. 284..
 6.24 Sm91616a - D: TSCPUG-(6) Meeting - Contributions (2) to
 SLIX Library - Contact: George Mockridge-415-878-1773..
 6.23 Sa91615B - D: Internet news.announce.newcomer files (5)
 - Downloaded by: Bill Miller..
 6.22 Sa91615A - D: CompuServe to Internet messages (2) -
 From: Andy Hradesky-T:-CIS-72267,3572..
 6.21 Ss91611a - D: \$15 SincLink Subscription Renewal Check &
 Note - From: David Bennett-717-774-7531..
 6.20 Sx91610a - D: Pn916_8, PACC-HL, Contents (4) - From:
 Ralph Vasko-412-379-8762..
 6.19 Sa91608E - D: CompuServe to Internet messages (3) -
 From: Andy Hradesky-T:-CIS-72267,3572..
 6.18 Sa91608d - D: Neu Psion Handheld Computer - Contact:
 anthony@csd4.csdu.umn.edu , umw!umw!csd4!anthony ..
 6.17 Sa91608c - D: TS1000 Suntronics keyboard needed - By:
 William Hurdlow-415-447-1520..
 6.16 Sm91608b - D: C64 MORE Milpitas User Group Meeting -
 Contact: Clark Murphy..
 6.15 Sa91608a - D: TS1000 game software needed - By: David
 Brown-415-533-7558..
 6.14 Sa91607d - D: TS1000 & 5.25 in. 40-track drive needed -
 By: Andy Hradesky-719-591-6773..
 6.13 Ss91607c - D: \$15 SincLink Renewal Check & card - From:
 Joan Kealy-T:- ..
 6.12 Sa91607b - D: 6502 Emulator in QuickBasic! - By: Steve
 Nichols-T:-MFS888-408-253-2295..
 6.11 Sa91607a - D: Cleveland-Freenet-216-368-3888 info
 request - To: Richard Gintling-216-653-2170..
 6.10 Sx91606B - D: Bn916-2, TS-Bulletin-HL, Contents (4) -
 From: Bill Hansen-T:- ..
 6.09 Sa91606A - D: SincLink Jan. to Mar. 1991 and Diskettes
 from Mark Martin ready! - To: Mark Wahl-415-643-1133..
 6.08 Sm91605C - D: PC Unix Sig Meeting Report - Contact: Dan
 Kionka-408-944-7941..
 6.07 Sm91605B - D: SLIX Mailing (11) - Postage \$6.34..
 6.06 Sm91605A - D: Disk Exchange, Re: Sa91503A - For: Mark
 Martin..
 6.05 Sx91604a - D: Mn915-7, SMUG-HL, Contents (4) - From:
 Bill Heberlein-414-353-4522..
 6.04 Sa91601d - D: Milwaukee Internet Access? - Contacts:
 Bruce Welsh-414-463-9662..
 6.03 Sm91601c - D: TSCE SIG/TCW Meeting Report (6) - By:
 Bill Miller..
 6.02 Sa91601b - D: Sinclair Z88 News - From: BUB00@livid.uib
 .no ..
 6.01 Sa91601a - D: PC UNIX SIG Meeting Notice - From: UUCP:
 codence!dionka..
 5.28 Sa91531a - D: TS News from Computer Monthly Cm916-186
 (4) - By: Bill Ferrebee-T:-CIS-73520,2674..
 5.27 Sa91530a - D: TS User Report - By: Andy Hradesky-T: ..

5.26 Sa91529a - D: SLIX File Server Project Files (3) -
 From: Steve Nichols..
 5.25 Sa91526a - D: 16K RAMPack for TS1000 needed - By: Bill
 Phillips-408-737-7768..
 5.24 Sa91525b - D: TS1000/PC3300 user report - By: Joe
 Rampola-T:-CIS-70521,1145..
 5.22 Su91525a - D: 288 Software Archive - From:
 ginge11%aurfs1%aurgate@mcnc.org ..
 5.21 Sa91521a - D: QL Exchange Diskettes, Free Internet
 Access! - From: Mark Martin-517-655-2542..
 5.20 Sa91520b - D: TSCPUG Meeting Report - By: Bob Orrfelt-
 415-369-9136..
 5.19 Sx91520a - D: In9143-8, ISTUG-HL, Contents (7) - From:
 Frank Davis-317-473-9031..
 5.18 Sm91519a - D: TSCPUG-3 Meeting - Contact: George
 Mockridge-415-878-1773..
 5.17 Sa91516d - D: 20MB 3.5-in. floppy #Brie* prices: Drive
 - \$849; Media - \$38 - Contact: Brier-408-435-9463..
 5.17 Sa91516c - D: GUTSCE/SU Member Report - By: Michael
 Furman-408-245-3418..
 5.16 Sx91516b - D: Cn912t1-4, Cn914t3-14, CATUG-HL: Tn916t4-
 27, T/SNUG-HL: Contents (16+15+16) - From: Bob Suoger-
 708-576-8068..
 5.15 Sx91516a - D: Pn915-8, PACC-HL, Contents (4) - From:
 Ralph Vasko-412-379-8762..
 5.14 Sm91515c - D: Sm913t1-Mailing-1-8-.2151 - From: Bill
 Miller-408-253-3175..
 5.13 Sm91515b - D: GUTSCE/SU Meeting & Call - To: Bob
 Orrfelt..
 5.12 Sm91515a - D: Sm913t1-Mailing-8-8-.1003 - From: Bill
 Miller..
 5.11 Sa91514b - D: Note to SincLink *Past Due* Members/
 Subscribers (2): Jess Wyder, David Bennett - From:
 Bill Miller..
 5.18 Sx91514c - D: Sm913t1 SincLink printing - \$38.50 @
 .1145 - By: Bill Miller..
 5.09 Sm91514a - D: Sm913t1_Mailing-Plan (23) - By: Bill
 Miller..
 5.08 Sx91513a - D: Bn915-6, TS-Bulletin-HL, Contents (7+5)-
 From: Bill Hansen-T:- ..
 5.07 Su91511a - D: Z88 help needed - By: Grover Cleveland-
 916-478-3153..
 5.06 Sm91510a - D: TS2068 Modem info needed - By: Mike
 Stephens-415-763-5265..
 5.05 Sm91504b - D: TSCE_SIG/TCW_6 Meeting Report - By: Bill
 Miller..
 5.04 Sm91504a - D: Z88, GNU, Emacs, C68, Floptical, Brier,
 Insite News - From: Internet..
 5.03 Sm91503a - D: QL Software Diskettes (5), UPDATE! Index,
 QL Emulator, QL Com Pgm, QL BBS - From: Mark Martin-
 517-655-2542..
 5.02 Sm91501b - D: PC_UNIX_SIG_34 Meeting Report - By: Bill
 Miller..
 5.01 Sa91501a - D: Z88 help needed - By: John Peterson-
 707-966-5081..
 4.24 Sm91430b - D: TS News from Computer Monthly, Cm915-188
 - By: Bill Ferrebee-T:-CIS-73520-2674..
 4.23 Sx91430a - D: Mn914-10, SMUG-HL, Contents (4) - From:
 Bill Heberlein-414-353-4522..
 4.22 Sa91429b - D: FREE TS1000 - From: Kirk Corum-
 408-253-0343..
 4.21 Sa91429a - D: TS1000 System #FOR SALE# - By: Lee Dodge
 415-856-8348..
 4.20 Sa91427a - D: Z88, Psion Organiser Sale News - From:
 Internet..

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FORTH MACHINE CODE
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PROGRAMMING (BA,MC) GRAPHICS
ENTERTAINMENT/GAMES EDUCATION
BUSINESS APPLICATION FINANCE

Mini File Server BBS (MFSBBS)

Supports: 300/1200 baud at 8,N,1 The Mini File Server BBS
Terminal: VT52 gives support for TIMEX
Sysop: Steve Nichols and Sinclair on disc #10.
Phone: (408) 253-2295 SLIX is also available.

NOTICE

TSCPUG TIMEXsinclair Cambridge Peninsula Users Group Support for:
311 Michelle Lane 1000/1500/2068
Daly City, CA 94015 -TIMEXsinclair's
(415) 878-1773 -Cambridge Z88
-Sinclair's Spectrum, +128K
and QL

President: George Mockridge
Host: Walt Johnson

Meetings: Third Sunday of each month, 1:00 pm
Peninsula Hospital (Sierra Room)
1783 El Camino Real
Burlingame, CA

Dates: Jan. 28, '91 Apr. 21, '91 Jul. 21, '91
Feb. 17, '91 May 19, '91 Aug. 18, '91
Mar. 17, '91 Jun. 16 '91 Sep. 15, '91

CUTSC/SU TIMEXsinclair Cambridge Emacs
Silicon Valley Users (408) 253-3175
6675 Clifford Drive
Cupertino, CA 95410-4530

Host: Bill Miller

Meetings: Third Wednesday of each month - 7:30 pm
CALL FOR MEETING LOCATION

Projects: Organizing Sinclair Information

Dates: Jan. 16, '91 Apr. 17, '91 Jul. 17, '91
Feb. 28, '91 May 15, '91 Aug. 21, '91
Mar. 28, '91 Jun. 19, '91 Sep. 18, '91

TAS-BAM, INC. Tampa and Suncoast Bay Area Microcomputer Users' Group, Inc.

Hosts: Eric Best, George Featerman, Warren Reed
Meetings: Second Saturday of each month at 7:30 pm
Beach Federal Savings and Loan
7777 North Seminole Blvd.
Seminole, FL

Dates: Jan. 12, '91 Apr. 13, '91 Jul. 13, '91
Feb. 09, '91 May 11, '91 Aug. 10, '91
Mar. 09, '91 Jun. 08, '91 Sep. 14, '91

TSCE_Sig/TCB TIMEXsinclair Cambridge/Emacs S.I.G
of The Computer Workshop
6675 Clifford Drive
Cupertino, CA 95414-4530
(408) 253-3175

SIG Host: Bill Miller

Meetings: First Saturday of the month at 10:00 am
Stanford University
Jordan Hall, Building 388 (in the Quad)
Room 388C (downstairs)

Dates: Jan. 5, '91 Apr. 6, '91 Jul. 6, '91
Feb. 2, '91 May 4, '91 Aug. 3, '91
Mar. 2, '91 Jun. 1, '91 Sep. 7, '91

For all the TIMEXsinclair 2068 owners that have the Portuguese disc-drive system (also known as the Zebra drives, TMX drives or the FDD-3000 system), a special treat awaits you. Just when you thought the FDD Express (the newsletter that supported this disc operating system) was forever lost, along comes The FDD-Newsletter. Here, Jay S. Siegel has started his own publication to support the TIMEX Operating System known as TOS. TOS is the original Disc Operating System for the TS2068 that was developed here in the U.S. and marketed abroad. With the unique design of the disc-drive system, the disc controller board also doubles as a 64K Z80 based CPU computer that will run CP/M 2.2.

This, plus much more information will be within Jay's newsletter. For those interested, Jay asks you to send \$10.00 to:

Jay S. Siegel
1274 49th Street #821
Brooklyn, NY 11219-3091
(718) 853-8128

One small inconvenience to TMX/FDD-3000 users is the lack of an NMI save button. Since TOS is written over the address space that would contain the NMI, it is not possible to have such a feature. This plus the lack of saving Spectrum programs onto disc has its draw-backs.

According to Mike Finn, Nazir Pastoon has offered to convert the TMX/FDD disc interface to accomodate a small switch that will allow TS2068 users to save Spectrum programs to disk. Do not get this confused with the NMI save option. All this small switch (you **MUST** have a Spectrum emulator in the works via the cartridge port, the expansion slot, or a magnetic switch) will do is allow the connection of the disc-drive system to a 2068 emulating a Spectrum. You will still need to alter the Spectrum program to run off the drives.

For more detailed information, write to:

Nazir Pastoon
940 Beau Drive, Apt. 204
Des Plains, IL 60016
(708) 439-1679 (evenings)

Nazir is charging \$40.00 to perform the hardware modification. He also includes a disc containing Spectrum programs and demos.

On another topic, "From Out Of 'THE ASHES' Rises...."

ZXir QLive Alive!

This is the official publication to T/SNUG. The national group which will replace SNUG. A full featured article will be covered in the next issue of TIMELINEZ.

For more info, call 708-837-7957.

Managing Editor: Andy Hradesky
Editors:
TSCPUG: George Mockridge
GUTSCE: Bill Miller
Mile_H: Curt Carlson

This TIMELINEZ Newsletter is a joint publication of four TIMEX Sinclair User Groups in the US.

TIMELINEZ publication will cover three issues for the year 1991. Starting in 1992, the publication rate will increase up to four/six issues (or as finances permit).

Back issues of TIMELINEZ is available. Contact your editor at:

975 Holte Drive West
Colorado Springs, CO 80916
(719) 591-6773

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